

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Solano County Public Works Mellin Levee

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mellin Levee	Right	0.59	03/24/2016 03/24/2016	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_NA0012_01_s _ 2013_6				
Comment Code					
Inspector Comment					
LMA has a copy of the O & M Manuals on file at the office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_NA0012_01_s _ 2013_7				
Comment Code					
Inspector Comment					
LMA has an adequate supply of flood fight supplies on hand.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_NA0012_01_s _ 2013_9				
Comment Code					
Inspector Comment					
Latest training Oct. 2014					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	0.00	Rating **	M	Issue No.	8
LM End	0.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174002 °	38.180044 °
				-121.674269 °	-121.681970 °
DWR ID	DWR_NA0012_01_s _ 2016_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	A/W	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174051 °	38.174051 °
				-121.674220 °	-121.674221 °
DWR ID	DWR_NA0012_01_s _ 2012_1				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Control Arundo on waterside slope at the entrance to the levee.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174059 °	38.180044 °
				-121.674253 °	-121.681970 °
DWR ID	DWR_NA0012_01_s _ 2016_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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LM Start	0.01	Rating **	M	Issue No.	13
LM End	0.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174117 °	38.176805 °
				-121.674333 °	-121.677893 °
DWR ID	DWR_NA0012_01_s_2016_13				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.15	Rating **	M	Issue No.	10
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.175627 °	38.180044 °
				-121.676185 °	-121.681978 °
DWR ID	DWR_NA0012_01_s_2015_10				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Add appropriate gravel or road base.					

Photo 1 of 3 : SP_2016_NA0012_258_10_20160308_00007.jpg



Looking east at levee crown fall 2015.

LM Start	0.15	Rating **	M	Issue No.	10 (cont)
LM End	0.59	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : SP_2016_NA0012_258_10_20160308_00008.jpg



Looking west at vegetation on levee crown at LM 0.00 to 0.10

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LM Start	0.15	Rating **	M	Issue No.	10 (cont)	
LM End	0.59	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			38.175627 °		38.180044 °
				-121.676185 °		-121.681978 °
DWR ID	DWR_NA0012_01_s _ 2015_10					
Comment Code						
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.						
Inspector Comment						
Add appropriate gravel or road base.						

Photo 3 of 3 : SP_2016_NA0012_258_10_20160308_00009.jpg



Looking west at vegetation on levee crown at LM 0.28 to 0.59

LM Start	0.58	Rating **	U	Issue No.	12
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.179966 °	38.179966 °
				-121.681872 °	-121.681872 °
DWR ID	DWR_NA0012_01_s _ 2015_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP_2016_NA0012_258_12_20160308_00010.jpg



Looking at untrimmed tree on landward slope fall 2015.

LM Start	0.58	Rating **	U	Issue No.	12 (cont)
LM End	0.58	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_NA0012_258_12_20160308_00011.jpg



Looking east at untrimmed tree on landward slope spring 2015

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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